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(54) PICTURE ENCODING AND DECODING DEVICE

(57) Abstract:

PURPOSE: To decode the significant/insignificant identification information before decoding of the significant block data, to find the number of significant blocks and to facilitate the detection of the transmission error by obtaining the number of significant blocks, by encoding the result of significant/insignificant identification result by grouping every M-pieces of larger blocks and affixing the headers.

CONSTITUTION: A movement detecting block encoder 102 identifies significant/in insignificant on the basis of a threshold value 300 with respect to a difference signal system 203 and caused only the difference signal system 203 of the significant block to be encoded in blocks. A block decoder 104 decodes a block encode signal 206 to find the decoded difference signal system 207, adds it to the signal system 204 of the past to find the decoded signal system 208. This decoded signal system 208 has its content updated by being supplied to a frame memory 103 for attaining co-

incidence with the transmitting/receiving frame memory contents. On the other hand, the M pieces of significant/insignificant identifying signals 205 is grouped in a blocking circuit 110. In a pattern discriminating circuit 111, it is decided whether the continuous number is encoded or the combination is to be coded.

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